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U.S. PATENT DOCUMENTS (include at least patentee, patent/pub number and filing/issue/pub date)							
EXAM. INITIAL	ID	DOCUMENT NUMBER	FILING, ISSUE OR PUBLICATION DATE MM-DD-YYYY	PATENTEE OR APPLICANT	Relevant Passage(s)	T*	
FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)							
EXAM. INITIAL	ID	COUNTRY CODE & DOCUMENT NUMBER	PUBLICATION DATE MM-DD-YYYY	PATENTEE OR APPLICANT	Relevant Passage(s)	T*	
OTHER DOCUMENTS (include AUTHOR, title, name of publication, volume, pages & date of publication) Please list in alphabetical order.							
	BA	ATCC Catalogue. ATCC Bacteria and Bacteriophages 19 th edition, 1996, pages 68, 199, 205, 264, 346.					
	BB	BOCK, et al, Fermentation, Escherichia Coli and Salmonella, Cellular and Molecular Biology (Eds. in Chief Frederick C. Neidhardt), ASM Press, Washington, D.C., pages 262-282, 1996.					
	BC	BOLOTIN, et al., "Low-redundancy sequencing of the entire <i>Lactococcus lactis</i> IL1403 genome", <u>Antonie van Leeuwenhoek</u> , vol. 76, pp. 27-76, 1999.					
	BD	COGAN, et al., "Impact of aeration on the metabolic end-products formed from glucose and galactose by <i>Streptococcus lactis</i> ", <u>Journal of Applied Bacteriology</u> , vol. 66, pp. 77-84, 1989.					
	BE	COLLINS, et al., "Roles of Acetate and Pyruvate in the Metabolism of <i>Streptococcus diacetilactis</i> ", <u>Journal of Bacteriology</u> , vol. 103, no. 3, pp. 541-546, 1970.					
	BF	CRONAN, et al., "Tricarboxylic Acid Cycle and Glyoxylate Bybass", <u>Escherichia Coli and Salmonella Cellular and Molecular Biology</u> (Eds. in Chief Frederick C. Neidhardt), ASM Press, Washington, D.C., pp. 206-216, 1996.					
	BG	GASSON, et al., "Metabolic engineering of the <i>Lactococcus lactis</i> diacetyl pathway", <u>LAIT</u> , vol. 76, pp. 33-40, 1996.					
	BH	GENNIS, ET AL., "Respiration", <u>Escherichia Coli and Salmonella Cellular and Molecular Biology</u> (Eds. In Chief Frederick C. Neidhardt), ASM Press, Washington, D.C., pp. 217-261, 1996.					
	BI	HOULBERG, Ulf, "HPLC" analysis determination of acids and carbohydrates in liquid fermentation media using internal standard", <u>Chr. Hansen's Laboratorium Danmark A/S, Analytical Procedure AP1009</u> , 1993.					
EXAMINER				DATE CONSIDERED			
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* "Relevant Passages" column is optional. Put check in "T" column if English translation of entire document included. If English language abstract included, put A in this box. If ref. in English, put "E". If requirement otherwise met, put O.

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		EXAMINER: Ariani, K.	ART UNIT: 1651	
OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication) Please list in alphabetical order.				
	BJ	HOULBERG, Ulf, "HSGC- I situ derivation in acids in fermentates for physiological investigations", <u>Chr. Hansen's Technical Report</u> , TR 785 (1995).		
	BK	HOULBERG, Ulf, "HSGC - Determination of volatile organic compounds and α -aceto lactic acid", <u>Chr. Hansen, Analytical Procedure</u> AP 1048, 1995.		
	BL	HUGENHOLTZ, "Citrate metabolism in lactic acid bacteria", <u>FEMS Microbiology Reviews</u> , vol. 12, pp. 165-178 (1993).		
	BM	JAVANAINEN, et al., "Mixed-culttrue Pre-ferments of Lactic and Propionic Acid Bacteria for Improved Wheat Bread Shelf-life", <u>Journal of Cereal Science</u> , vol. 18, pp. 75-88, 1993.		
	BN	Knappe, Joachim, "Anaerobic dissimilation of pyruvate", in <u>Escherichia coli and Salmonella typhimurium</u> (F.C. Neidhardt, et al.. eds.), vol. 1, Ch. 13, pp. 151-155, Amer. Soc. Microbiol. Washington, D.C., 1987.		
	BO	Mat-Jan et al., "Mutants of Escherichia Coli Deficient in the Fermentative Lactate Dehydrogenase", <u>Journal of Bacteriology</u> , vol. 171, no. 1, pp. 342-348, January 1989.		
	BP	NEIDHARDT, "The Enteric Bacterial cell and the Age of Bacteria", <u>Escherichia and Salmonella Cellular and Molecular Biology</u> , ASM Press, Washington, D.C., pp. 1-3, 1996.		
	BQ	PASCAL, et al., "Genetic analysis of mutants of Escherichia coli K12 and Salmonella typhimurium LT2 deficient in hydrogenase activity", <u>Molec. Gen. Genet</u> , vol. 141, pp. 173-179, 1975.		
	BR	PASCAL, et al., "Mutants of Escherichia coli K12 with defects in anaerobic pyruvate metabolism", <u>Journal of General Microbiology</u> , vol. 124, pp. 35-42, 1981.		
	BS	PLATTEEUW, et al., "Metabolic engineering of Lactococcus Lactis: Influence of the overproduction of α -acetolactate synthase in strains deficient in Lactate dehydrogenase as a function of culture conditions", <u>Applied and Environmental Microbiology</u> , pp. 3967-3971, November 1995.		
	BT	REED, et al., "Acetate-Replacing Factors for Lactic Acid Bacteria", <u>J. Biol. Chem.</u> , vol. 192, pp. 851-858, 1951.		
	BU	REITER, et al., "Nutritional studies on cheese starters", <u>J. Dairy Res.</u> , vol. 29, pp. 63-77, 1962.		
	BV	SNOEP, et al., "Differences in sensitivity to NADH of purified pyruvate dehydrogenase complexes of <i>Enterococcus faecalis</i> , <i>Lactococcus lactis</i> , <i>Axotobacter vinelandii</i> and <i>Escherichia coli</i> : Implications of their activity in vivo", <u>FEMS Microbiology Letters</u> , vol. 114, pp. 279-283, 1993.		
	BW	SNOEP, Jacob, "Regulation of pyruvate catabolism in <i>Enterococcus faecalis</i> : A molecular approach to physiology", <u>Academisch Proefschrift</u> , Chapters 1-4, pp. 1-92, 1992.		
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BX	STARRENBURG, et al., "Citrate fermentation by Lactococcus and Leuconostoc spp", <u>Applied and Environmental Microbiology</u> , vol. 57, no. 12, pp. 3535-3540, December 1991.		
BY	TAKAHASHI, et al., "Oxygen Sensitivity of Sugar Metabolism and Interconversion of Pyruvate Formate-Lyase in Intact Cells of <i>Streptococcus mutans</i> and <i>Streptococcus sanguis</i> ", <u>Infection and Immunity</u> , vol. 55, no. 3, pp. 652-656, March 1987.		
BZ	TAKAHASHI, et al., "Purification of Pyruvate Formate-Lyase from <i>Streptococcus mutans</i> and its Regulatory Properties", <u>Journal of Bacteriology</u> , vol. 149, no. 3, pp. 1034-1040, March 1982.		
CA	TAKAHASHI, et al., "Effect of acetate on sorbitol fermentation by oral lactobacilli", <u>Oral Microbiology and Immunology</u> , vol. 10, pp. 349-354, 1995.		
CB	VARENNE, et al., "A mutant of Escherichia coli deficient in pyruvate formate Lyase", <u>Molec. Gen. Genet.</u> , vol. 141, pp. 181-184, 1975.		
CC	WESTERFELD, W., "A colorimetric determination of blood acetoin", <u>Journal of Biological Chemistry</u> , vol. 16, pp. 495-502, 1945.		
CD	YAMAMOTO, et al., "Cloning and sequence analysis of the pfl gene encoding private formate lyases from <i>Streptococcus mutans</i> ", <u>Infection and Immunity</u> , vol. 64, no. 2, pp. 385-391, February 1996.		
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